

We claim:

1. An isolated nucleic acid that encodes SEQ ID NO:4 or SEQ ID NO:6.
2. The isolated nucleic acid of claim 1 comprising
5 SEQ ID NO: 3.
3. The isolated nucleic acid of claim 1 comprising SEQ ID NO: 5.
4. A transgenic monocot cell having a genome comprising a nucleic acid sequence that encodes a protein
10 of SEQ ID NO:4 or SEQ ID NO:6.
5. A transgenic dicot cell having a genome comprising a nucleic acid sequence that encodes a protein of SEQ ID NO:4 or SEQ ID NO:6.
6. A transgenic plant with a genome comprising a
15 nucleic acid nucleic acid sequence that encodes a protein of SEQ ID NO:4 or SEQ ID NO:6..
7. A transgenic plant of claim 6 wherein the plant is rice.
8. A transgenic plant of claim 6 wherein the plant
20 is maize.
9. A transgenic plant of claim 6 wherein the plant is tobacco.
10. A transgenic plant of claim 6 wherein the plant is cotton.
- 25 11. Seed of a transgenic plant of claim 6.
12. Progeny of seed of claim 11.
13. In a method of producing Toxin A of *Photorhabdus luminescens* W-14 in a heterologous host the improvement comprising expressing in said host DNA that
30 encodes the proteins of SEQ ID NO:4 and SEQ ID NO: 6.
14. A method of producing an orally active insect toxin which comprises expressing DNA that encodes the protein of SEQ ID NO:4 in a heterologous host that also

expresses a protein of SEQ ID NO: 2 and a protein of SEQ ID NO: 6.

15. A method of producing an orally active insect toxin which comprises expressing DNA that encodes the
5 protein of SEQ ID NO:6 in a heterologous host that also expresses a protein of SEQ ID NO: 2 and a protein of SEQ ID NO: 4.

16. In a method of producing Toxin B of *Photorhabdus luminescens* W-14 in a heterologous host the
10 improvement comprising expressing in said host DNA that encodes the proteins of SEQ ID NO:4 and SEQ ID NO: 6.

17. A method of producing an orally active insect toxin which comprises expressing DNA that encodes the
protein of SEQ ID NO:4 in a heterologous host that also
15 expresses a protein of SEQ ID NO: 6 and a protein of SEQ ID NO: 8.

18. A method of producing an orally active insect toxin which comprises expressing DNA that encodes the
protein of SEQ ID NO:6 in a heterologous host that also
20 expresses a protein of SEQ ID NO: 4 and a protein of SEQ ID NO: 8.